

WIRELESS DISPLAY APPARATUS AND METHOD

Abstract Of The Disclosure

5 A wireless display system and method decompresses a compressed video stream, such as obtained from suitable video sources such as a cable modem, DVD player or other suitable source, to produce a decompressed video stream locally. The decompressed video stream, such as frames, is stored in a local frame buffer, such as an on-chip frame buffer, system memory, or any other suitable memory. The system and

10 method then recompresses the stored frames and wirelessly transmits the recompressed frames using a short range wireless transmitter, such as a radio frequency-based short range transmitter, an infrared short range wireless transmitter, or any other suitable short range transmitter that may provide, for example, local area networking. Accordingly, full image frames are decompressed and then recompressed, such as via a software data

15 encoder as executed by a central processing unit, or via a hardware data encoder, such as an MPEGII or MPEG4 encoder, or any other suitable encoder, and then modulated by a short range wireless transceiver and sent to a short range wireless unit having a local display.